Fig. 1

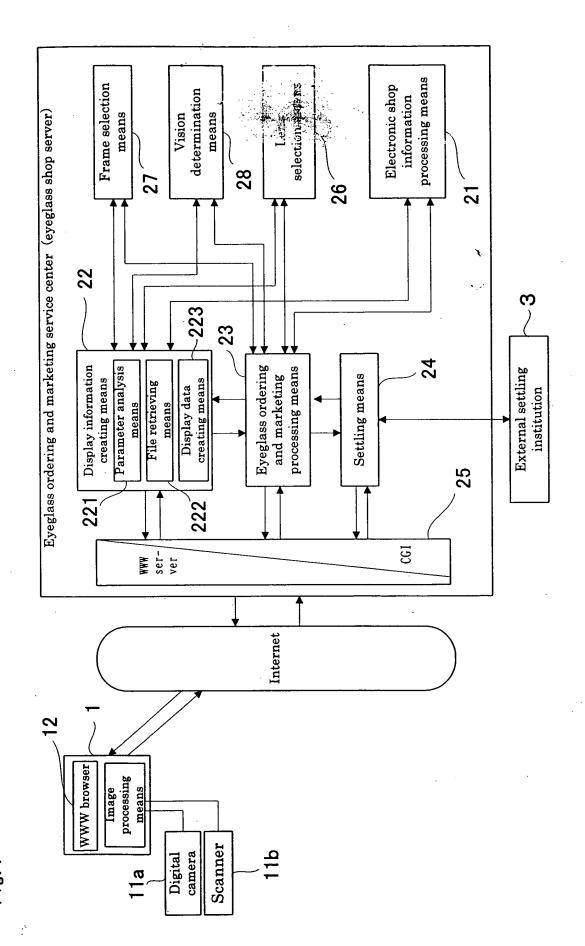


Fig. 2

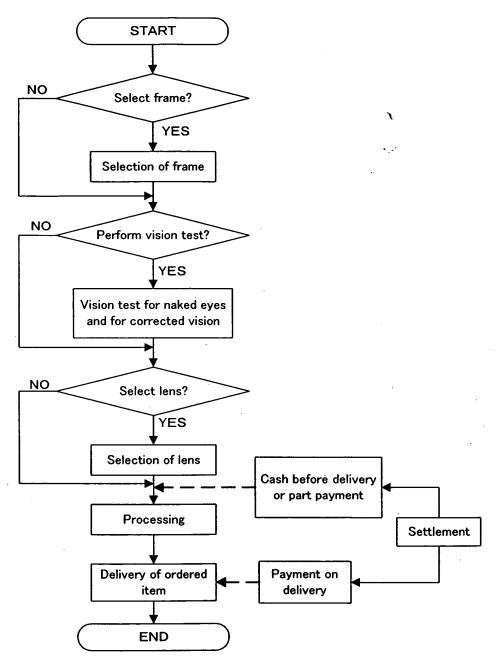
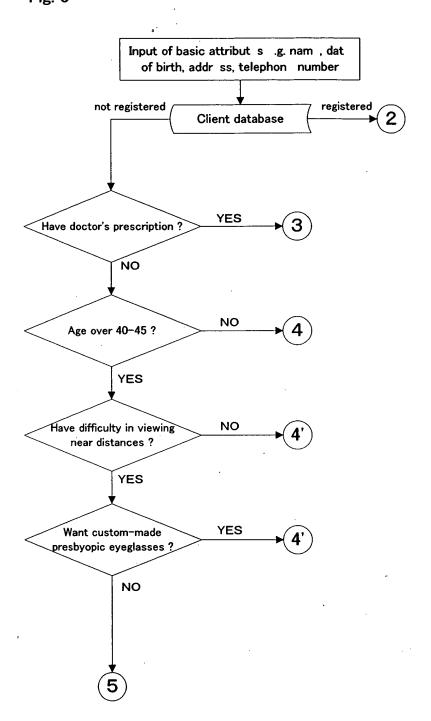
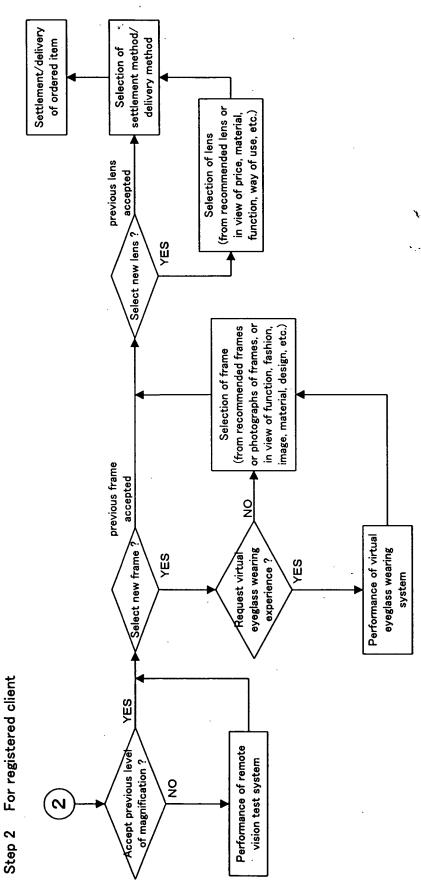


Fig. 3





iters. Step 3 For non-registered client with doctor's prescription

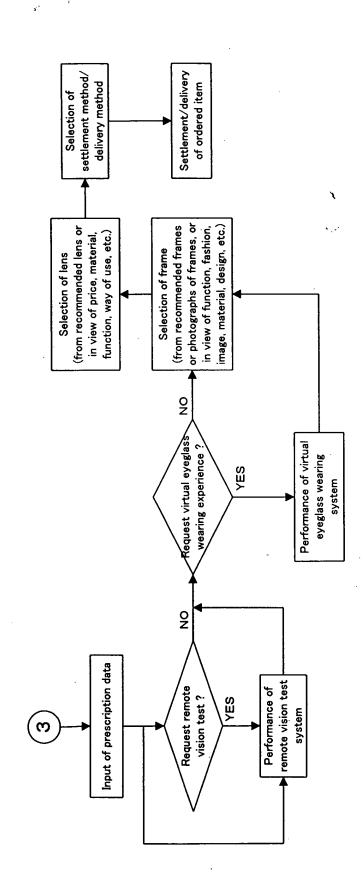


Fig. 6

Step 4 For non-registered client without doctor's prescription(under 40-45 years of age)

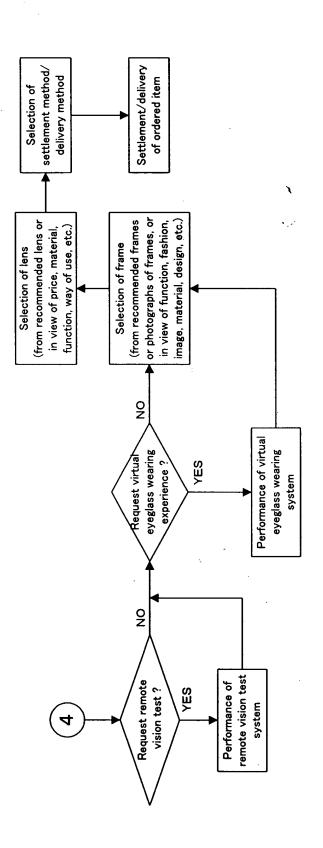
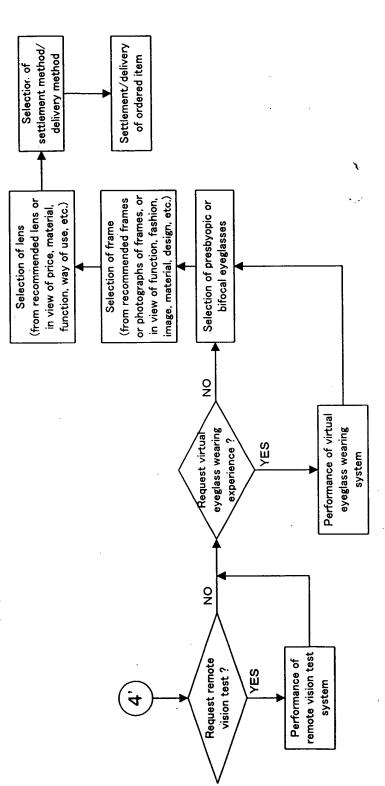
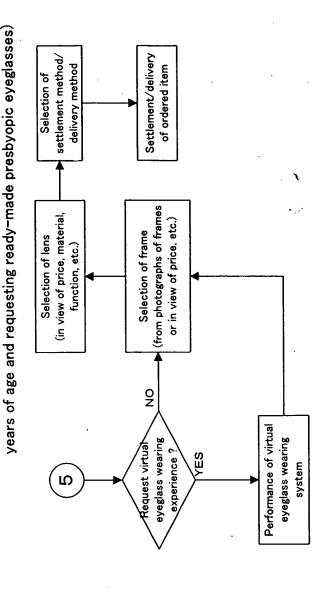


Fig. 7

symptom or not requesting ready-made presbyopic eyeglasses despite subjective symptom) For non-registered client without doctor's prescription (over 40-45 years of age, having no subjective Step 4'



For non-registered client without doctor's prescription (over 40-45 Step 5 Fi.8





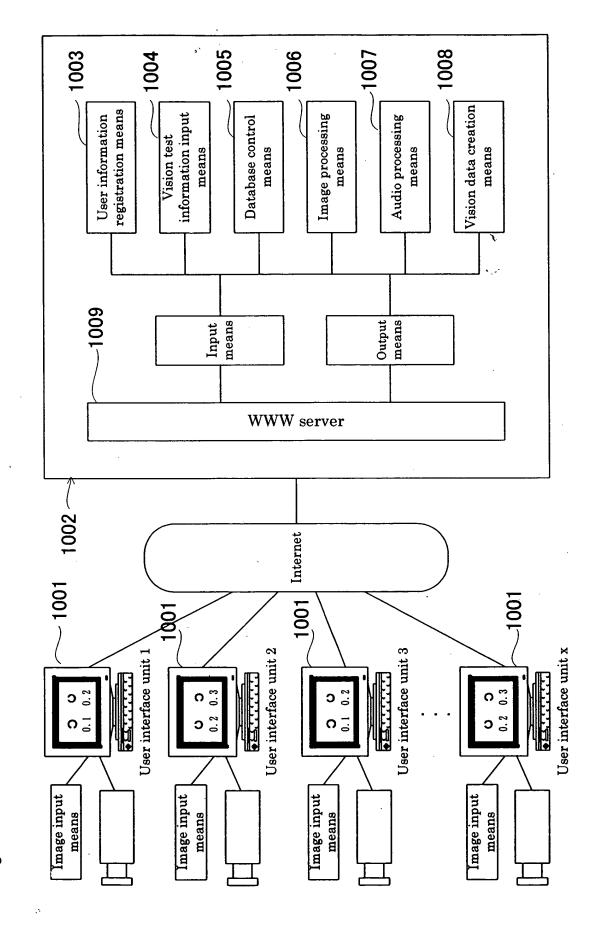
## L ns S I cti n R f renc Information Databas

Name		
Client code		
Age		
Levels of magnification		
Lens func- tion	Thickness of lens	
	Weight of lens	
	Durability	
	Prevention of UV light	
Colors		
Budget		
Intended use		

Fig. 10

## Lens Database

Manufacturer's names		
Models		
	Intended use	
Lens func- tion	Thickness of lens	
	Weight of lens	
	Durability	
	Prevention of UV light	
Colors		
	Prices	
Levels of magnification		





Name
Address
Date of birth
Telephone number
Condition of eyes
Request for eyeglasses
User information identification(ID)
User password
User code
Facsimile number
E-mail address
URL
Computer environments

Fig. 13

R f r nce Databas for Carrying Out Vision Tests

Purpose of use
Age
Previous lens magnification number
Vision with lenses of previous magnification number
Balance between right and left eyes with previous magnification number
Period of service of previous eyeglasses
Type of contact lenses (if used together with eyeglasses)
Vision desired to be attained by correction
Presence of diseases associated with vision

Fig. 14

Vision Test Database

VISION TEST Database
Vision of uncorrected eyes
Corrected vision
Pupil distances
Corrected levels of
magnification for distance
Corrected levels of
magnification for reading
Dates of test
Name of a person who
determined level of
magnification



	<del></del>		
Level of	Landolt rings		
magnification	(8 types, 8 directions)		
0.1	<b>U D</b>		
0.2	U O		
0.3	C O		
•	•		
	•		
•			
0.9	<b>3</b> U		
1.0	() ()		
1.2	<b>3</b> C		
1.5	<b>3 0</b>		
2.0	O C		



Levels of nearsightedness
Relationship between level of nearsightedness and vision types of nearsightedness (levels of magnification)
Correcting method

Fig. 17
Farsightedness Information Database

Types of farsightedness

Correcting method for farsightedness

Fig. 18

Ast	igmatism Information Database
L	Levels of astigmatism
	Types of astigmatism
	Correcting method



Look at × with right eye

×

Fig. 20

"Can you see?"

C

YES NO

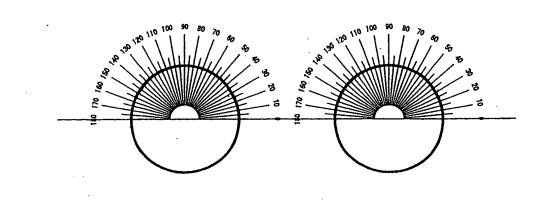
Eyeglass Prescription <u>山田 太郎(Taro Yamada) 殿</u> <u>25 才(Age)</u>

<u>年 月 日(Date) April 20, 2000</u>

<u>処方箋番号(Prescription number)</u>

病院地番号(Hospital number)

		SPH. Spherical level of magnification	CYL. Astigmatism level of magnification	AXIS	PRISM	BASE	P. D Pupil distance
Level of magnification	R	Concave 6.0D	Concave 2. 5D	180°			5.7301
for distance	L	Concave 7.5D	Concave 2.5D	180°			5 7 MM
Level of	R			/			
magnification for reading	L						



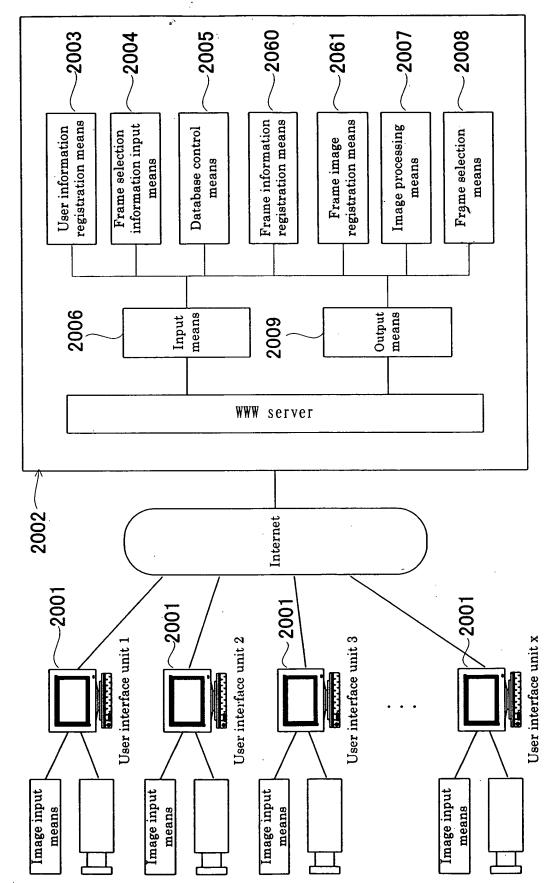


Fig. 22

Fig. 23

User Information Database

Oser Information Database
Name
Address
Date of birth
Telephone number
Condition of eyes
Request for eyeglasses
User information identification(ID)
User password
User code
Facsimile number
E-mail address
URL
Computer environments

Fig. 24

Data Input from Fram S I ction Informati n Input M ans

Selection criteria (in text data)	Sense of fashion
	Budget
	Function
	Feeling of fitness to the user's face
Function 1 (front view of face image)	Distance between right and left pupils
	2. Widths from center of right and left pupils to feet of ears
	3. Opening angles of temples determined based on 2
Function 2 (side view of face image)	1. Distance from feet of ears to tops of corneas
	2. Bending positions of temples
	3. Distances between tops of comeas and foot of nose
	4. Opening angles of pad bridges determined based on 3

Fig. 25

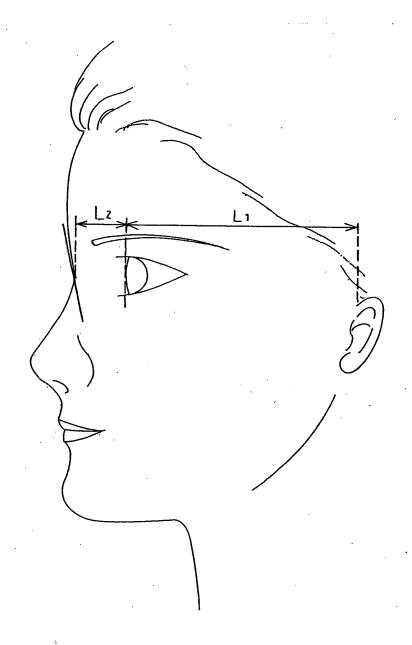
Frame Functional Structure Database

Size	Actual Size $(44\phi \sim 62\phi)$	
	Shape∸memory alloy	
	Super-light weight	
Feature	Super-elasticity	
reature	Simultaneous function as sunglasses	
	Portability	
	others	
Function 1	Distance between right and left pupils	
(front view of	2. Widths from center of right and left pupils to feet of ears	
face image)	3. Opening angles of temples determined based on 2	
	1. Distance from feet of ears to tops of corneas	
Function 2 (side view of face image)	2. Bending positions of temples	
	3. Distanc s between tops of comeas and foot of nose	
	4. Opening angles of pad bridges det rmined based on 3	



	WELLINGTON
	CELLULOID
	OVAL
	SQUARE
Shape	TONNEAU
	BOSTON
	BUTTERFLY
٠	AUTO(DROP)
	Rimless(two-point, three-point)
	Metal + Nylon rimmed
	Celluloid + Nylon rimmed
Material	Metal
Materiai	Celluloid
	Brow line
	Combination
	others
Brand	Various brands
Color	Various colors

Fig. 27



è

į

Fig. 28

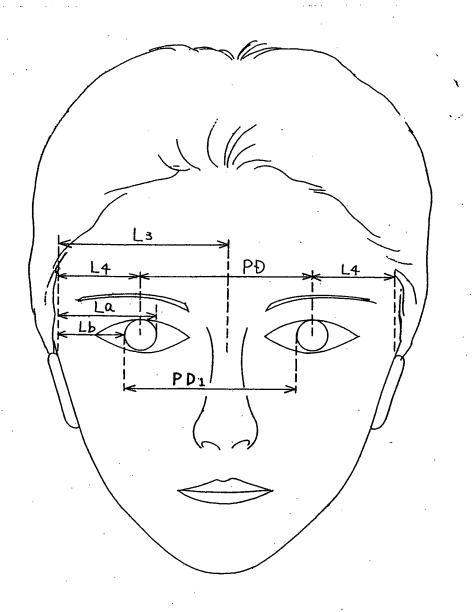


Fig. 29

